RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _09/610,551E_

Source: _/Fuji6_

Date Processed by STIC: _11/7/05_

ENTERED

IFW/6

```
 4 <110> APPLICANT: Barbas, Carlos F.
 5        Burton, Dennis R.
 6        Lerner, Richard A.
 8 <120> TITLE OF INVENTION: Methods for producing antibody libraries
 9        using universal or randomized immunoglobulin light chains
12 <130> FILE REFERENCE: TSRI 409.1D2
14 <140> CURRENT APPLICATION NUMBER: US 09/610,551E
15 <141> CURRENT FILING DATE: 2000-07-05
17 <150> PRIOR APPLICATION NUMBER: US 08/931,645
18 <151> PRIOR FILING DATE: 1997-09-16
20 <150> PRIOR APPLICATION NUMBER: US 08/300,386
21 <151> PRIOR FILING DATE: 1994-09-02
23 <150> PRIOR APPLICATION NUMBER: US 08/174,674
24 <151> PRIOR FILING DATE: 1993-12-28
26 <150> PRIOR APPLICATION NUMBER: US 07/826,623
27 <151> PRIOR FILING DATE: 1992-01-27
29 <160> NUMBER OF SEQ ID NOS: 74
31 <170> SOFTWARE: FastSEQ for Windows Version 4.0
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 687
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Synthesized
41 <400> SEQUENCE: 1
42 ctcgagcagt ctggggctga ggtgaagaag cctgggtcct cggtgaaggt ctcctgcagg 60
43 gcttctggag gcaccttcaa caattatgcc atcagctggg tgcgacaggc ccctggacaa 120
44 gggcttgagt ggatgggagg gatcttccct ttccgtaata cagcaaagta cgcacaacac 180
45 ttccagggca gagtcaccat taccgcggac gaatccacgg gcacagccta catggagctg 240
46 agcagcctga gatctgagga cacggccata tattattgtg cgagagggga tacgattttt 300
47 ggagtgacca tgggatacta cgctatggac gtctggggcc aagggaccac ggtcaccgtc 360
48 tccgcagcct ccaccaaggg cccatcggtc ttccccctgg caccctcctc aagagcacc 420
49 tctgggggca gcggccct gggctgcctg gtcaaggact acttccccga accggtgacg 480
50 gtgtcgtgga actcaggcgc cctgaccagc ggcgtgcaca ccttcccggc tgtcctacag 540
51 tcctcaggac tctactccct cagcagcgtg gtgaccgtgc cctccagcag cttgggcacc 600
52 cagacctaca tctgcaacgt gaatcacaag cccagcaaca ccaaggtgga caagaaagca 660
53 gagcccaaat cttgtgacaa aactagt                                 687
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 646
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Synthesized
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/610,551E

DATE: 11/07/2005
TIME: 15:09:46

Input Set : A:\409.1D2.TXT
Output Set: N:\CRF4\11072005\I610551E.raw

```
63 <400> SEQUENCE: 2
64 gagctcacgc agtctccagg caccctgtct ttgtctccag gggaaagagc caccctctcc  60
65 tgcagggcca gtcacagtgt tagcagggcc tacttagcct ggtaccagca gaaacctggc 120
66 caggctccca ggctcctcat ctatggtaca tccagcaggg ccactggcat cccagacagg 180
67 tccagtggca gtgggtctgg gacagacttc actctcacca tcagcagact ggagcctgaa 240
68 gattttgcag tgtactactg tcagcagtat ggtggctcac cgtggttcgg ccaagggacc 300
69 aaggtggaac tcaaacgaac tgtggctgca ccatctgtct tcatcttccc gccatctgat 360
70 gagcagttga aatctggaac tgcctctgtt gtgtgcctgc tgaataactt ctatcccaga 420
71 gaggccaaag tacagtggaa ggtggataac gccctccaat cgggtaactc ccaggagagt 480
72 gtcacagagc aggacagcaa ggacagcacc tacagcctca gcagcaccct gacgctgagc 540
73 aaagcagact acgagaaaca caaagtctac gcctgcgaag tcacccatca gggcctgagt 600
74 tcgcccgtca caaagagctt caacagggga gagtgttaat tctaga             646
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 21
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Synthesized
84 <400> SEQUENCE: 3
85 gaattctaaa ctagctagtc g                                        21
87 <210> SEQ ID NO: 4
88 <211> LENGTH: 21
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Synthesized
95 <400> SEQUENCE: 4
96 atactgctga cagtaataca c                                        21
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 57
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Synthesized
```
-> 106 <221> NAME/KEY: modified_base
```
107 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29
108 <223> OTHER INFORMATION: n = G, A, T, or C
```
-> 110 <221> modified_base
```
111 <222> LOCATION: 21, 24, 27, 30
112 <223> OTHER INFORMATION: k = G or T
```
-> 114 <400> 5
-> 115 tattactgtc agcagtatnn knnknnknnk actttcggcg gagggaccaa ggtggag   57
```
117 <210> SEQ ID NO: 6
118 <211> LENGTH: 21
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Synthesized
125 <400> SEQUENCE: 6
```

```
     126 aatacgactc actatagggc g                                          21
     128 <210> SEQ ID NO: 7
     129 <211> LENGTH: 48
     130 <212> TYPE: DNA
     131 <213> ORGANISM: Artificial Sequence
     133 <220> FEATURE:
     134 <223> OTHER INFORMATION: Synthesized
->   136 <221> NAME/KEY: modified_base
     137 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29
     138 <223> OTHER INFORMATION: n = G, A, T, or C
->   140 <221> modified_base
     141 <222> LOCATION: 21, 24, 27, 30
     142 <223> OTHER INFORMATION: k = G or T
->   144 <400> 7
->   145 tattactgtc agcagtatnn knnknnknnk actttcggcg gagggacc           48
     147 <210> SEQ ID NO: 8
     148 <211> LENGTH: 60
     149 <212> TYPE: DNA
     150 <213> ORGANISM: Artificial Sequence
     152 <220> FEATURE:
     153 <223> OTHER INFORMATION: Synthesized
->   155 <221> NAME/KEY: modified_base
     156 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29, 31, 32
     157 <223> OTHER INFORMATION: n = G, A, T, or C
->   159 <221> modified_base
     160 <222> LOCATION: 21, 24, 27, 30, 33
     161 <223> OTHER INFORMATION: k = G or T
->   163 <400> 8
->   164 tattactgtc agcagtatnn knnknnknnk nnkactttcg gcggagggac caaggtggag 60
     167 <210> SEQ ID NO: 9
     168 <211> LENGTH: 51
     169 <212> TYPE: DNA
     170 <213> ORGANISM: Artificial Sequence
     172 <220> FEATURE:
     173 <223> OTHER INFORMATION: Synthesized
->   175 <221> NAME/KEY: modified_base
     176 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29, 31, 32
     177 <223> OTHER INFORMATION: n = G, A, T, or C
->   179 <221> modified_base
     180 <222> LOCATION: 21, 24, 27, 30, 33
     181 <223> OTHER INFORMATION: k = G or T
->   183 <400> 9
->   184 tattactgtc agcagtatnn knnknnknnk nnkactttcg gcggagggac c           51
     186 <210> SEQ ID NO: 10
     187 <211> LENGTH: 75
     188 <212> TYPE: DNA
     189 <213> ORGANISM: Artificial Sequence
     191 <220> FEATURE:
     192 <223> OTHER INFORMATION: Synthesized
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RAW SEQUENCE LISTING   DATE: 11/07/2005
PATENT APPLICATION: US/09/610,551E   TIME: 15:09:46

Input Set : A:\409.1D2.TXT
Output Set: N:\CRF4\11072005\I610551E.raw

```
-> 194 <221> NAME/KEY: modified_base
   195 <222> LOCATION: 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47
   196 <223> OTHER INFORMATION: n = G, A, T, or C
-> 198 <221> modified_base
   199 <222> LOCATION: 33, 36, 39, 42, 45, 48
   200 <223> OTHER INFORMATION: k = G or T
-> 202 <400> 10
-> 203 gattttgcag tgtattactg tcagcagtat nnknnknnkn nknnknnkac tttcggcgga 60
   204 gggaccaagg tggag                                                75
   206 <210> SEQ ID NO: 11
   207 <211> LENGTH: 54
   208 <212> TYPE: DNA
   209 <213> ORGANISM: Artificial Sequence
   211 <220> FEATURE:
   212 <223> OTHER INFORMATION: Synthesized
-> 214 <221> NAME/KEY: modified_base
   215 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29, 31, 32, 34, 35
   216 <223> OTHER INFORMATION: n = G, A, T, or C
-> 218 <221> modified_base
   219 <222> LOCATION: 21, 24, 27, 30, 33, 36
   220 <223> OTHER INFORMATION: k = G or T
-> 222 <400> 11
-> 223 tattactgtc agcagtatnn knnknnknnk nnknnkactt tcggcggagg gacc      54
   225 <210> SEQ ID NO: 12
   226 <211> LENGTH: 75
   227 <212> TYPE: DNA
   228 <213> ORGANISM: Artificial Sequence
   230 <220> FEATURE:
   231 <223> OTHER INFORMATION: Synthesized
-> 233 <221> NAME/KEY: modified_base
   234 <222> LOCATION: 22, 23, 25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43,
   235           44, 46, 47, 49, 50
   236 <223> OTHER INFORMATION: n = G, A, T, or C
-> 238 <221> modified_base
   239 <222> LOCATION: 24, 27, 30, 33, 36, 39, 42, 45, 48, 51
   240 <223> OTHER INFORMATION: k = G or T
-> 242 <400> 12
-> 243 gattttgcag tgtattactg tnnknnknnk nnknnknnkn nknnknnknn kttcggcgga 60
   244 gggaccaagg tggag                                                75
   246 <210> SEQ ID NO: 13
   247 <211> LENGTH: 70
   248 <212> TYPE: DNA
   249 <213> ORGANISM: Artificial Sequence
   251 <220> FEATURE:
   252 <223> OTHER INFORMATION: Synthesized
-> 254 <221> NAME/KEY: modified_base
   255 <222> LOCATION: 26, 29, 32, 35, 38, 41, 44, 47
   256 <223> OTHER INFORMATION: m = A or C
-> 258 <221> modified_base
```

RAW SEQUENCE LISTING   DATE: 11/07/2005
PATENT APPLICATION: US/09/610,551E   TIME: 15:09:46

Input Set : A:\409.1D2.TXT
Output Set: N:\CRF4\11072005\I610551E.raw

```
 259 <222> LOCATION: 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48,
 260       49
 261 <223> OTHER INFORMATION: n = G, A, T, or C
->263 <400> 13
->264 gttccacctt ggtcccttgg ccgaamnnmn nmnnmnnmnn mnnmnnmnna cagtagtaca 60
 265 ctgcaaaatc                                                        70
 267 <210> SEQ ID NO: 14
 268 <211> LENGTH: 76
 269 <212> TYPE: DNA
 270 <213> ORGANISM: Artificial Sequence
 272 <220> FEATURE:
 273 <223> OTHER INFORMATION: Synthesized
->275 <221> NAME/KEY: modified_base
 276 <222> LOCATION: 26, 29, 32, 35, 38, 41, 44, 47, 50, 53
 277 <223> OTHER INFORMATION: m = A or C
->279 <221> modified_base
 280 <222> LOCATION: 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48,
 281       49, 51, 52, 54, 55
 282 <223> OTHER INFORMATION: n = G, A, T, or C
->284 <400> 14
->285 gttccacctt ggtcccttgg ccgaamnnmn nmnnmnnmnn mnnmnnmnnm nnmnnacagt 60
 286 agtacactgc aaaatc                                                 76
 288 <210> SEQ ID NO: 15
 289 <211> LENGTH: 94
 290 <212> TYPE: DNA
 291 <213> ORGANISM: Artificial Sequence
 293 <220> FEATURE:
 294 <223> OTHER INFORMATION: Synthesized
->296 <221> NAME/KEY: modified_base
 297 <222> LOCATION: 26, 29, 32, 35, 38, 41, 44, 47, 50, 53, 56, 59, 62, 65, 68,
 298       71
 299 <223> OTHER INFORMATION: m = A or C
->301 <221> modified_base
 302 <222> LOCATION: 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48,
 303       49, 51, 52, 54, 55, 57, 58, 60, 61, 63, 64, 66, 67, 69,
 304       70, 72, 73
 305 <223> OTHER INFORMATION: n = G, A, T, or C
->307 <400> 15
->308 gttccacctt ggtcccttgg ccgaamnnmn nmnnmnnmnn mnnmnnmnnm nnmnnmnnmn 60
->309 nmnnmnnmnn mnnacagtag tacactgcaa aatc                             94
 311 <210> SEQ ID NO: 16
 312 <211> LENGTH: 25
 313 <212> TYPE: DNA
 314 <213> ORGANISM: Artificial Sequence
 316 <220> FEATURE:
 317 <223> OTHER INFORMATION: Synthesized
 319 <400> SEQUENCE: 16
 320 ttcggccaag ggaccaaggt ggaac                                       25
 322 <210> SEQ ID NO: 17
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 11/07/2005
PATENT APPLICATION: US/09/610,551E   TIME: 15:09:47

Input Set : A:\409.1D2.TXT
Output Set: N:\CRF4\11072005\I610551E.raw

ease Note:
a of n and/or Xaa have been detected in the Sequence Listing. Please review the
quence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

```
]#:5;  N Pos.  19,20,22,23,25,26,28,29
]#:7;  N Pos.  19,20,22,23,25,26,28,29
]#:8;  N Pos.  19,20,22,23,25,26,28,29,31,32
]#:9;  N Pos.  19,20,22,23,25,26,28,29,31,32
]#:10; N Pos.  31,32,34,35,37,38,40,41,43,44,46,47
]#:11; N Pos.  19,20,22,23,25,26,28,29,31,32,34,35
]#:12; N Pos.  22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47,49,50
]#:13; N Pos.  27,28,30,31,33,34,36,37,39,40,42,43,45,46,48,49
]#:14; N Pos.  27,28,30,31,33,34,36,37,39,40,42,43,45,46,48,49,51,52,54,55
]#:15; N Pos.  27,28,30,31,33,34,36,37,39,40,42,43,45,46,48,49,51,52,54,55
]#:15; N Pos.  57,58,60,61,63,64,66,67,69,70,72,73
]#:19; N Pos.  22,23,25,26,28,29,34,35
]#:21; N Pos.  25,26,28,29,31,32,34,35,37,38,40,41,43,44,49,50
]#:22; N Pos.  25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47,49,50,52,53
]#:22; N Pos.  55,56,58,59,61,62,67,68
]#:23; N Pos.  19,20,22,23,25,26,28,29,31,32
]#:24; N Pos.  19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47
]#:25; N Pos.  19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47
]#:25; N Pos.  49,50,52,53,55,56,58,59,61,62,64,65
]#:73; N Pos.  1,2,4,5,7,8,10,11,13,14,16,17,19,20,22,23,25,26,28,29,31,32
]#:73; N Pos.  34,35,37,38,40,41,43,44,46,47,49,50,52,53,55,56,58,59,61,62
]#:73; N Pos.  64,65,67,68,70,71
]#:74; N Pos.  2,3,5,6,8,9,11,12,14,15,17,18,20,21,23,24,26,27,29,30,32,33
]#:74; N Pos.  35,36,38,39,41,42,44,45,47,48,50,51,53,54,56,57,59,60,62,63
]#:74; N Pos.  65,66,68,69,71,72
```

VERIFICATION SUMMARY   DATE: 11/07/2005
PATENT APPLICATION: **US/09/610,551E**   TIME: 15:09:47

Input Set : **A:\409.1D2.TXT**
Output Set: **N:\CRF4\11072005\I610551E.raw**

```
106 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
136 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
140 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
144 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
155 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
159 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
163 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
175 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
179 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
194 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
198 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
202 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
214 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
218 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
222 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
233 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
238 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
242 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
254 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
258 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
263 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
275 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
279 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
284 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
296 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
301 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:60
352 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
356 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
360 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
382 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
386 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
390 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
```

VERIFICATION SUMMARY   DATE: 11/07/2005
PATENT APPLICATION: **US/09/610,551E**   TIME: 15:09:47

Input Set : **A:\409.1D2.TXT**
Output Set: **N:\CRF4\11072005\I610551E.raw**

```
391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
102 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
107 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
111 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60
123 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
127 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
131 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
142 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
147 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
151 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
163 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
169 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
174 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60
1189 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
1196 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73
1201 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73
1206 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73
1207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
1208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:60
1218 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
1223 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74
1230 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74
1235 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74
1236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
1237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:60
```